

Abstract

The present invention discloses new cyclic glycerophosphates and cyclic
popandiol phosphates and pharmaceutical compositions comprising said
compounds for promoting neural activity such as neuronal outgrowth, nerve
5 growth, prevention of nerve degeneration and nerve rescue.

(19) World Intellectual Property Organization
International Bureau



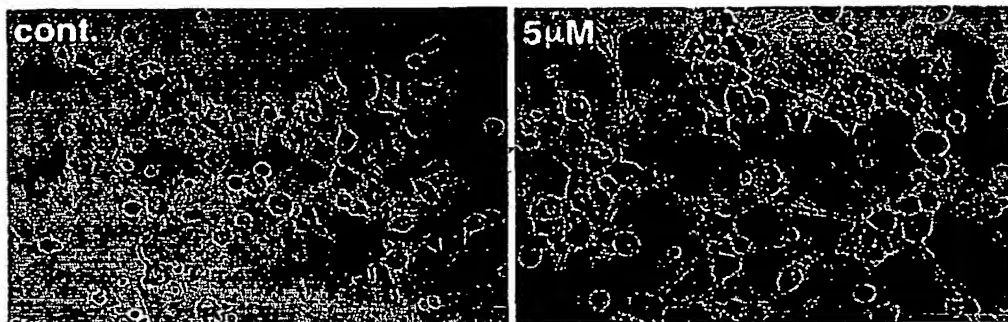
(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/075902 A2

- (51) International Patent Classification⁷: **A61K 31/00, C07F 9/6574**
- (21) International Application Number: **PCT/IL03/00205**
- (22) International Filing Date: **13 March 2003 (13.03.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
148665 13 March 2002 (13.03.2002) IL
- (71) Applicant (for all designated States except US): **YEDA RESEARCH AND DEVELOPMENT CO. LTD.** [IL/IL]; At The Weizmann Institute of Science, P.O.Box 95, 76100 Rehovot (IL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **SHINITZKY, Meir** [IL/IL]; 20 Derech Haganim street, 46910 Kfar Shmaryahu (IL).
- (74) Agent: **REINHOLD COHN AND PARTNERS; P.O.B. 4060, 61040 Tel Aviv (IL).**
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **DERIVATIVES OF 1,3-CYCLIC PROPANDIOL PHOSPHATE AND THEIR ACTION AS CELL STIMULANTS**



A

B

(57) Abstract: The present invention discloses new cyclic glycerophosphates and cyclic propandiol phosphates and pharmaceutical compositions comprising said compounds for promoting neural activity such as neuronal outgrowth, nerve growth, prevention of nerve degeneration and nerve rescue.

WO 03/075902 A2